

From MEFs to Matrigel 3: passaging hESCs from Matrigel onto Matrigel.

Journal: J Vis Exp

Publication Year: 2008

Authors: Jin Zhang, Ivan Khvorostov, Michael Teitell

PubMed link: 19066542

Funding Grants: Role of Mitochondria in Self-Renewal Versus Differentiation of Human Embryonic Stem Cells

Public Summary:

This video demonstrates how to maintain the growth of human embryonic stem cells (hESCs) in feeder cell-free conditions and how to continuously passage hESCs in feeder cell-free conditions. Confirmation of hESC pluripotency grown in feeder cell-free conditions by immunofluorescence microscopy is also demonstrated.

Scientific Abstract:

This video demonstrates how to maintain the growth of human embryonic stem cells (hESCs) in feeder cell-free conditions and how to continuously passage hESCs in feeder cell-free conditions. Confirmation of hESC pluripotency grown in feeder cell-free conditions by immunofluorescence microscopy is also demonstrated.

Source URL: <https://www.cirm.ca.gov/about-cirm/publications/mefs-matrigel-3-passaging-hescs-matrigel-matrigel>